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IN - MATSUBARA SHIGETOSHI
PA - SANYO ELECTRIC CO; TOKYO SANYO ELECTRIC CO
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TI - CLOCK CIRCUIT

AB - PURPOSE: To lessen the correcting frequency for manual operations and generate correction at a low cost with no use of any high precision oscillation source by determining the corrective interval from the error time and cumulative time, and performing time correction automatically every time the corrective interval has elapsed.

- CONSTITUTION: A new time is entered from a key entry device 4 and set in a memory 5, and a start key is pushed when the new time is attained. In response thereto, a control part 1 retreats the time data stored in the memory 5 and stores new time data. As a result, the error till the time is corrected, and a correct time indication is given on a display 3. The control part 1 determines the error through computation from the new time data in the memory 5 and the time data immediately before the correction which has been retreated, and determines the corrected total time from the elapsed time and the corrective interval data. Further the sums of the error and corrected total time is determined to calculate the total error, and setting of the polarity is performed. When the automatic correcting time is reached, the stored polarity data is read, and judgement is made whether the clock is to get or lose, and processing of automatic correction is executed.

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